



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Wednesday May 19, 2021

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.



NWSSouthern

www.weather.gov/srh



- **Heavy rain/flash flooding and river flooding across parts of TX/OK/LA/AR today and Thursday.**
- **Slight risk of severe thunderstorms today in South TX.**
- **A low pressure system near Bermuda may develop subtropical characteristics on Friday before moving out into the Atlantic this weekend. No impacts to FEMA 6.**

FEMA Region 6 Threat Matrix

May 19, 2021 - May 23, 2021



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DAY / THREAT	Wed	Thu	Fri	Sat	Sun
Severe Storms	South TX	NE NM/ OK Panhandle			
	TX/OK/AR/LA				
Heavy Rain / Flash Flooding	S/SETX and S LA	SETX/SW LA	SETX/SW LA		
	TX/E OK/W AR/LA	SE OK/ETX/ W&S-Central LA			
Fire Weather		W NM			
Tropical Winds / Surge					
Winter Weather					
River Flooding	LA/TX	LA/TX	LA/TX	LA/TX	LA/TX
	AR	AR	AR	AR	AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

For more details on the colors in the threat matrix refer to the last slide in this briefing.

Tropical Weather Outlook – Atlantic/Gulf



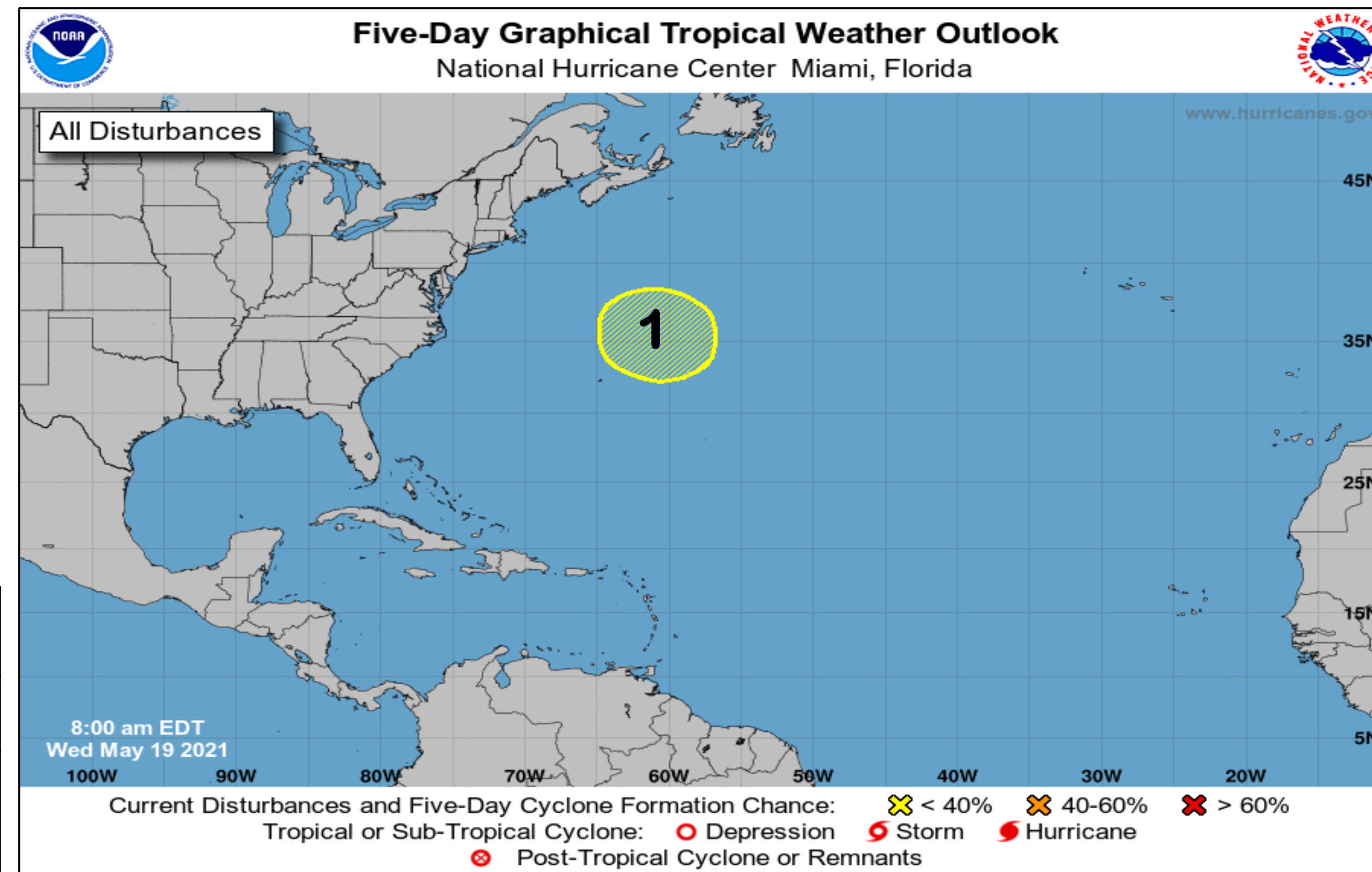
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Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Low	None.

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
-	

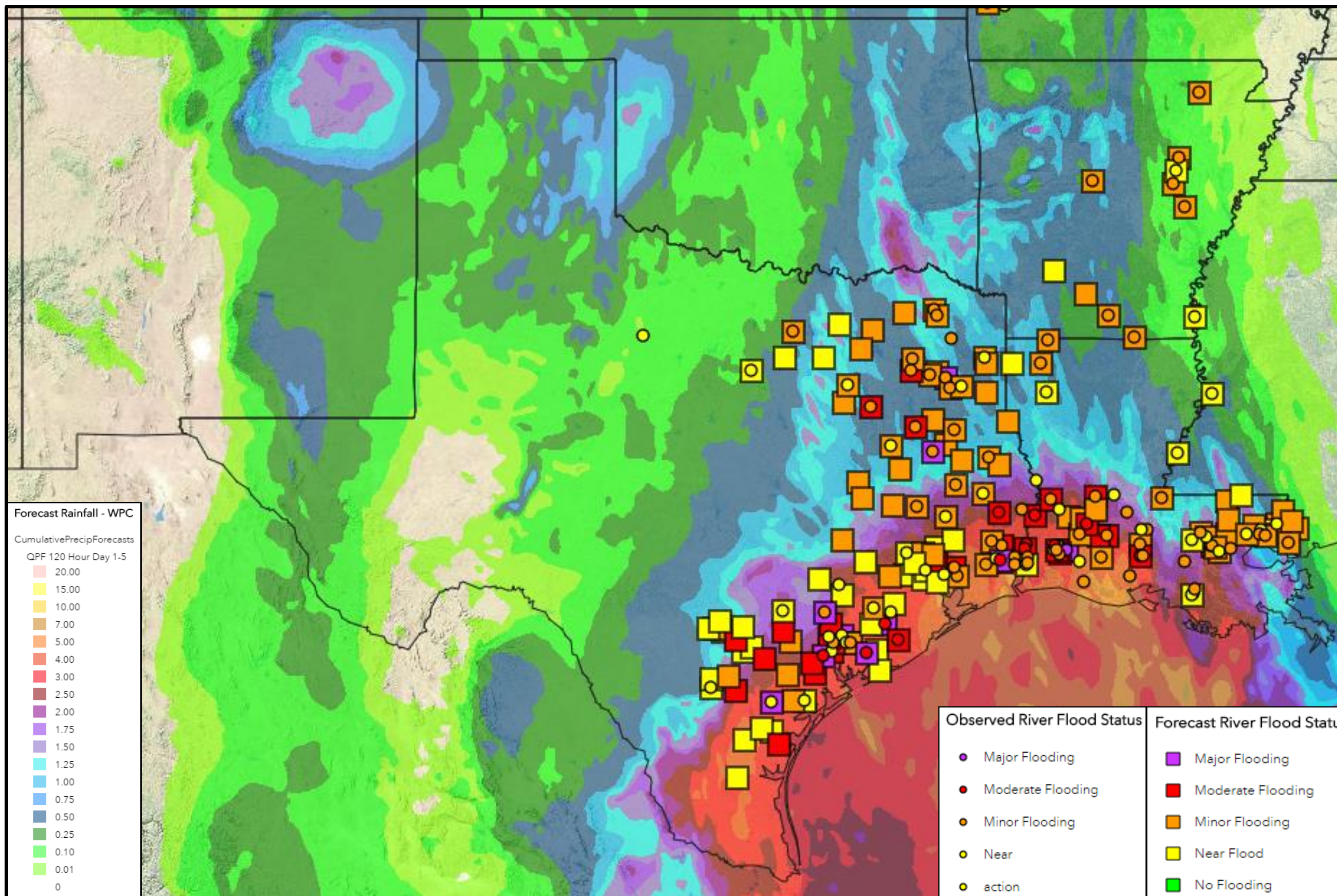


5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Widespread minor to scattered major flooding is occurring or forecast in portions of TX and LA. Major lowland flooding is likely with significant flooding of roads and agricultural areas, with cattle cut off. Flooding with potential impacts to homes/structures is highlighted below.

Major Flooding in Texas

- **Neches River at Saltwater Barrier in SE TX is forecast to be at major flooding by Friday morning with several homes & camps flooded.**
- **Neches River near Beaumont in SE TX is forecast to be at major flooding by this weekend and continue rising into early next week with the potential for water up to homes.**
- **Sabine River near Gladewater in NE TX is forecast to be at major flooding by this weekend with homes threatened.**

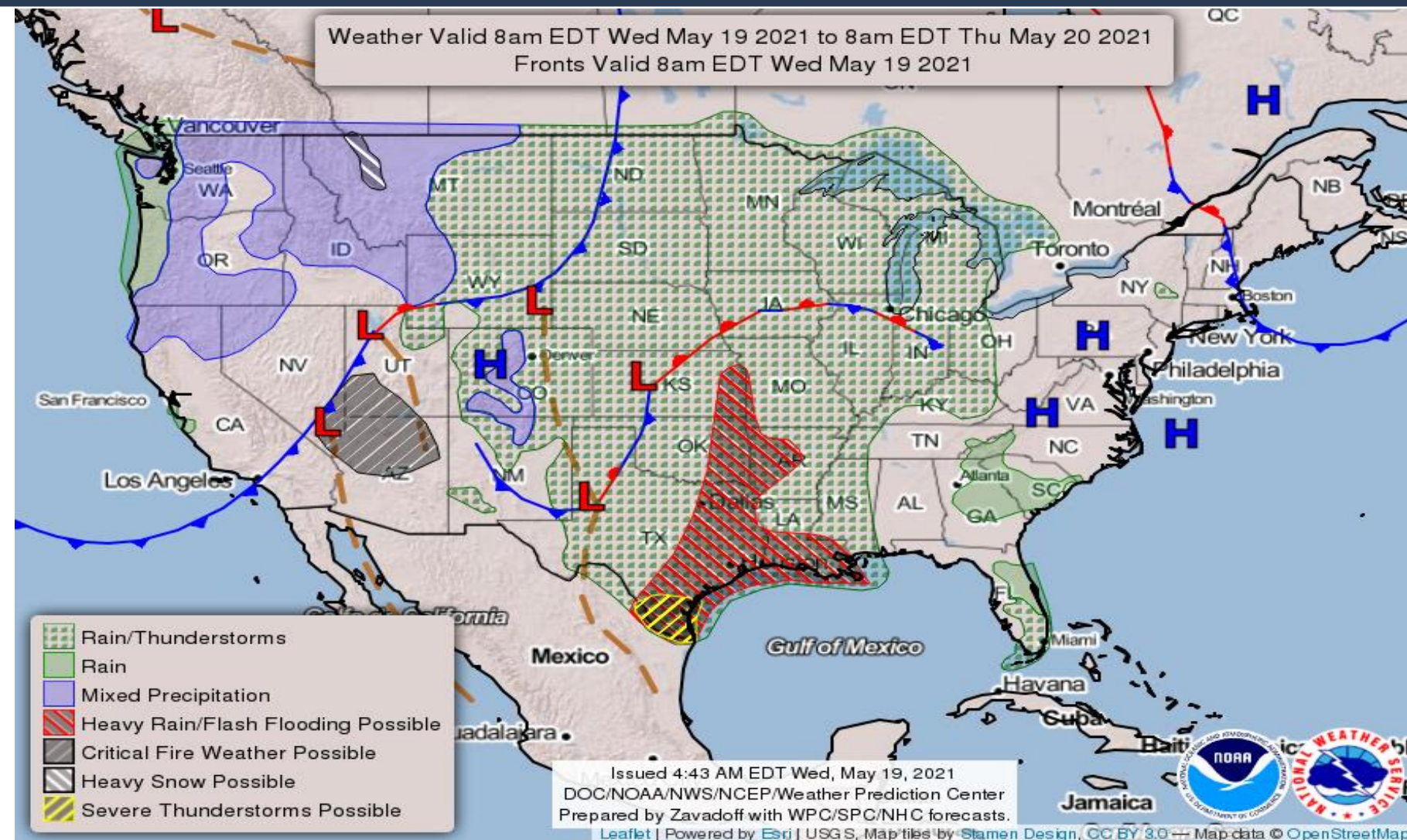
Major Flooding in Louisiana

- **Calcasieu River at White Oak Park in SW LA is expected to continue at major flood for the next few days; extensive flooding with water in several homes and camps.**

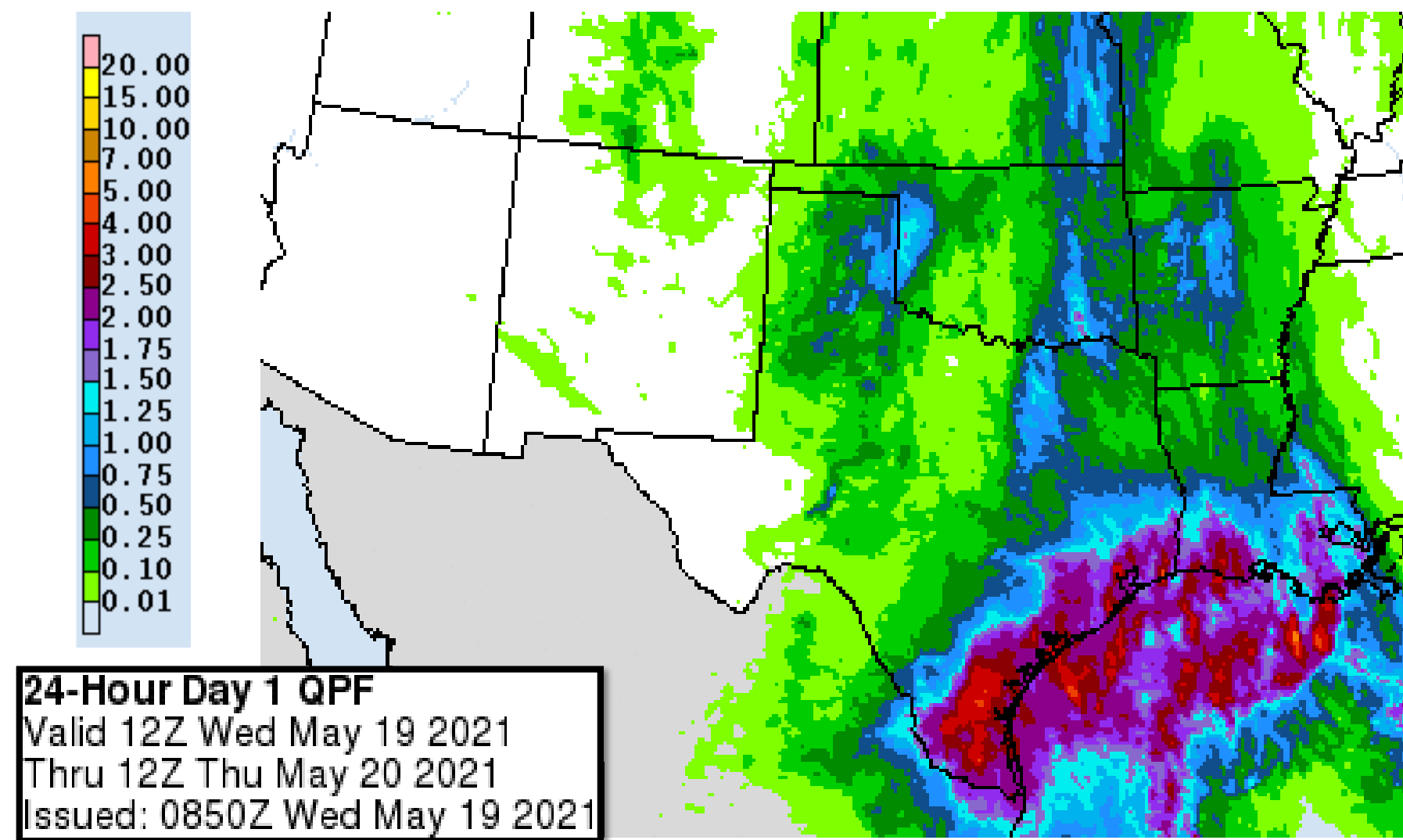
Minor river flooding will continue across AR with flooding of agricultural/recreational areas and secondary roads.

Today's Weather

Forecast Chart



Forecast Rainfall



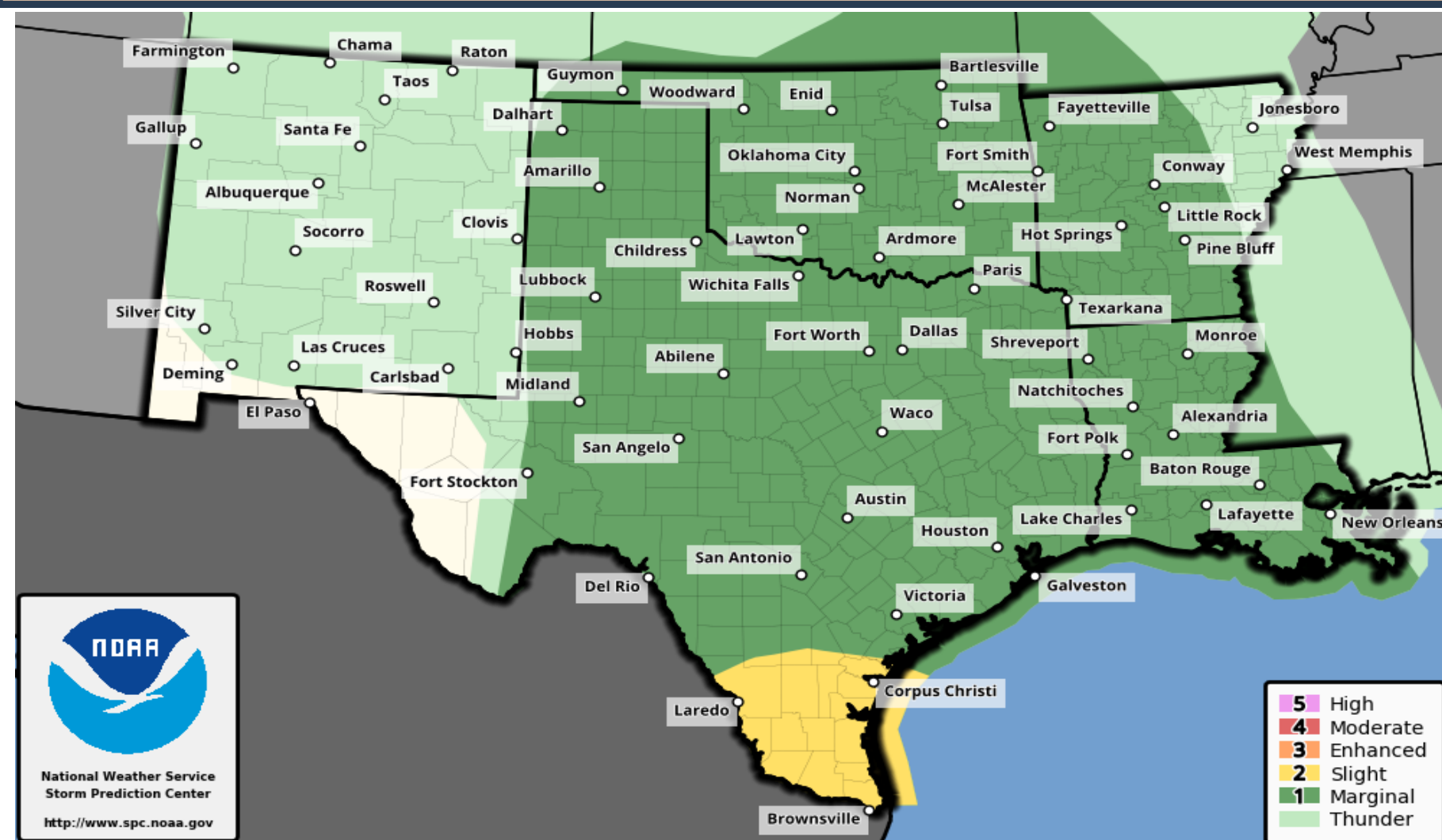
Heavy rainfall/flash flooding likely across S/SE TX and S LA.

Isolated heavy rainfall/flash flooding possible across much of the rest of TX/LA into E OK/W AR.

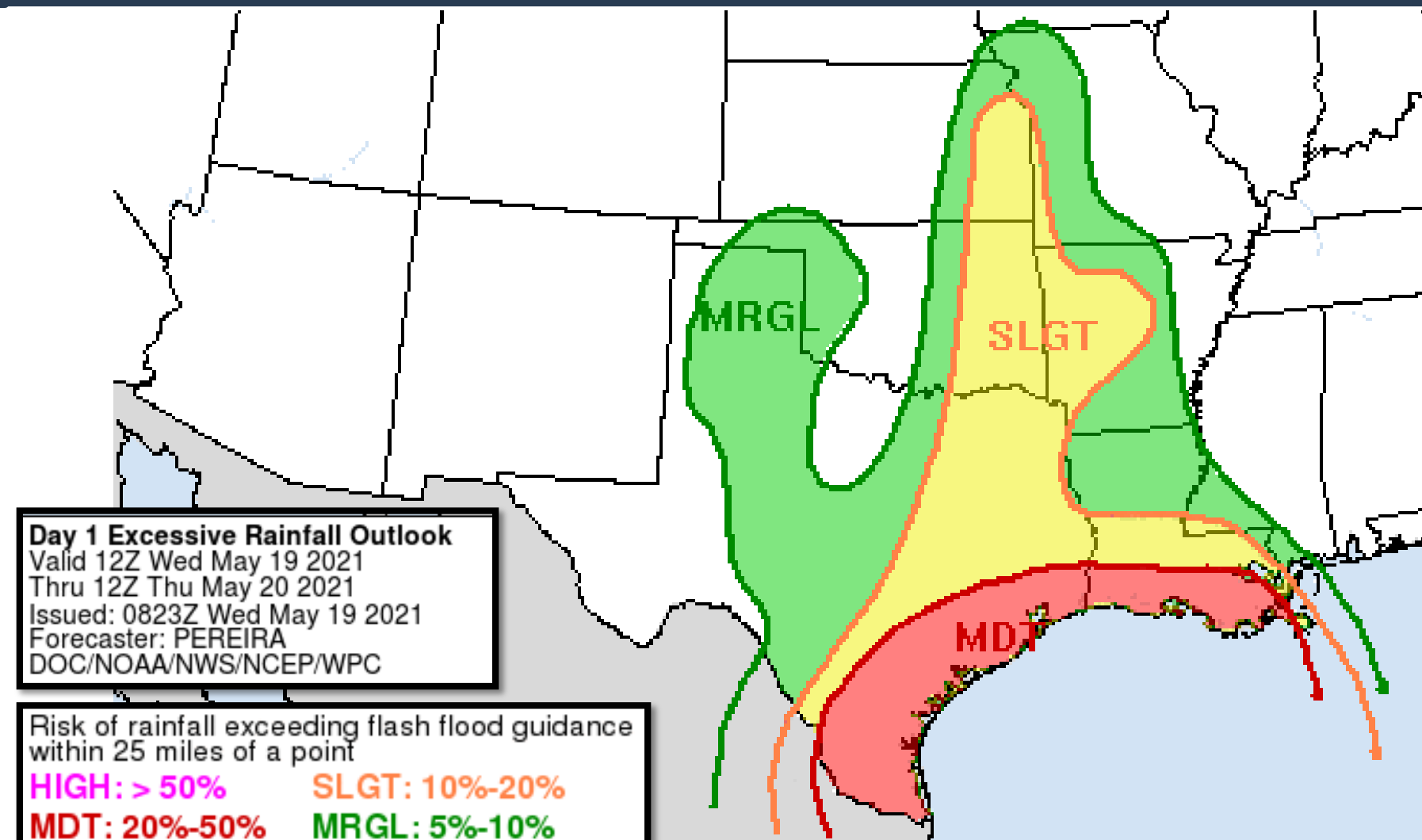
Slight risk of severe storms across South TX. The main threats are damaging winds and large hail.

Isolated strong to severe storms with gusty winds and hail possible across much of the rest of TX into OK/AR/LA.

Severe Weather Outlook



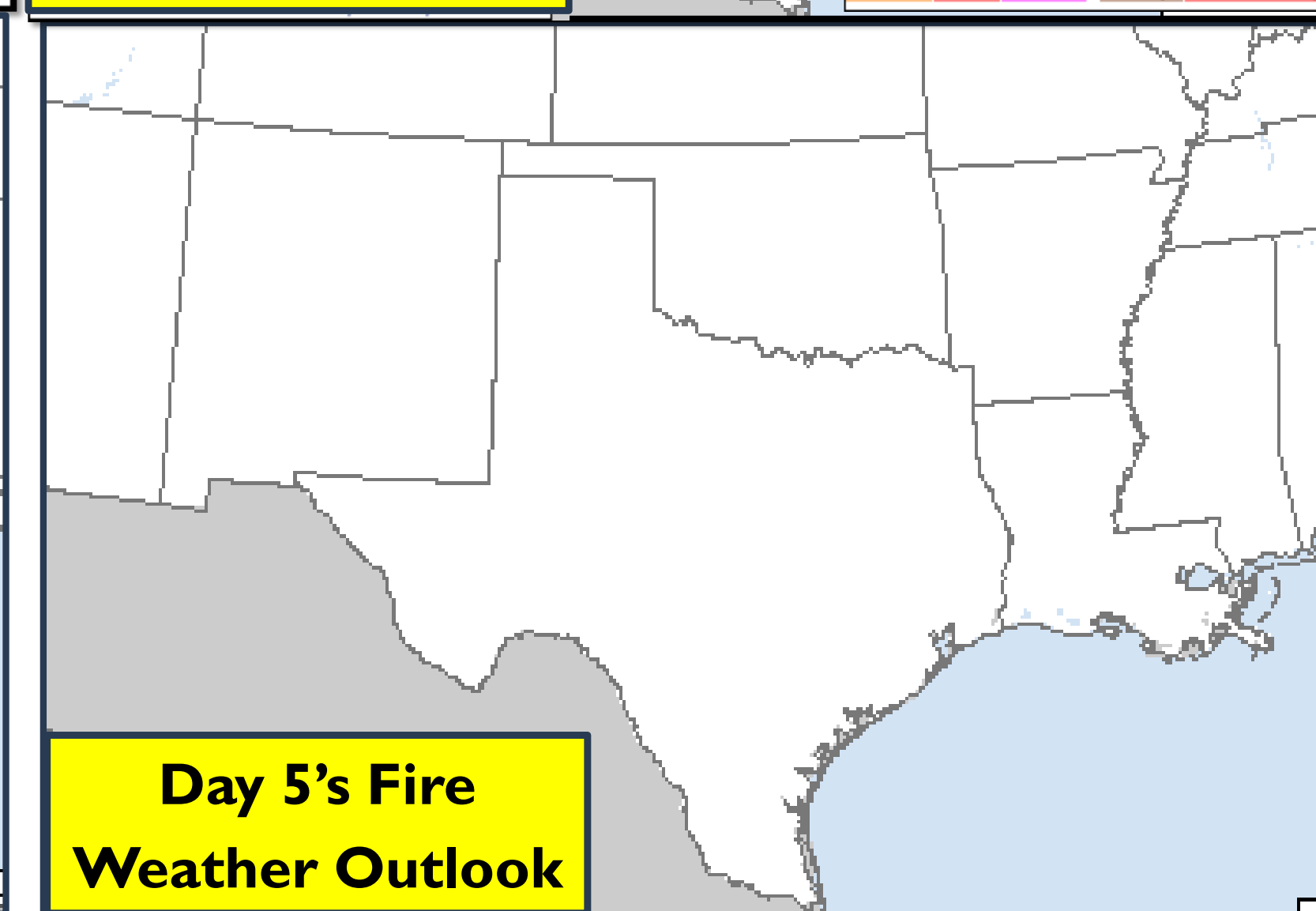
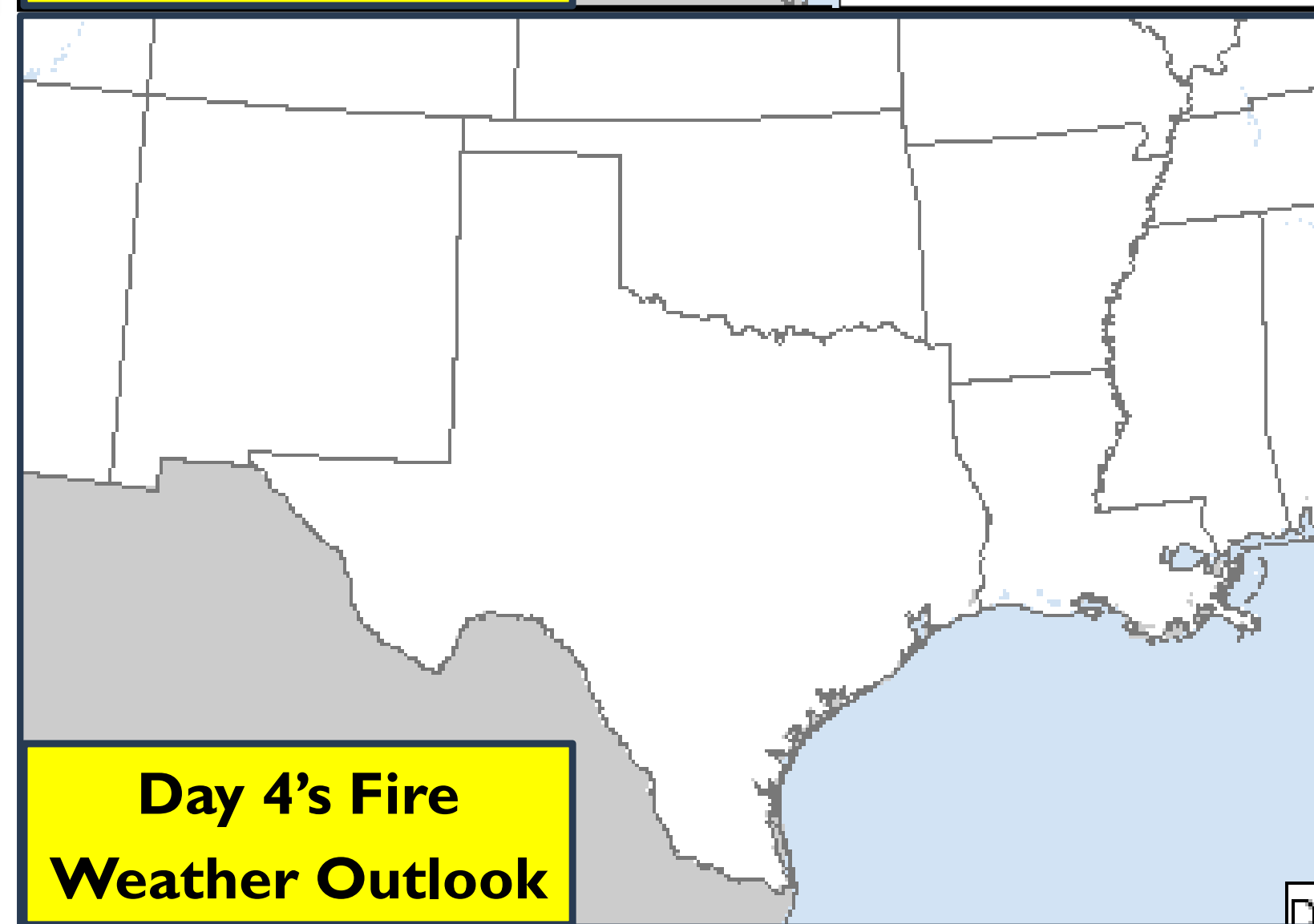
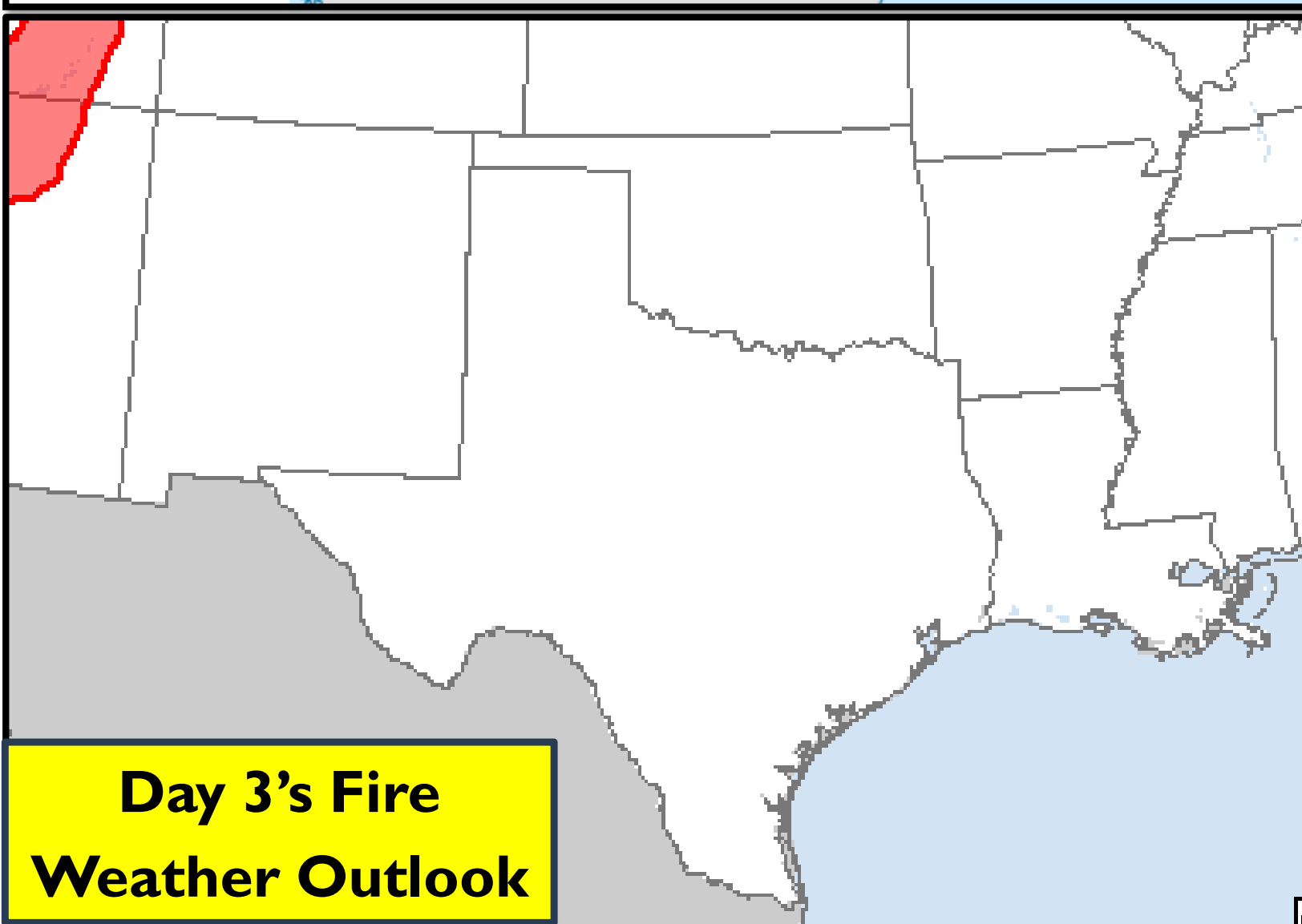
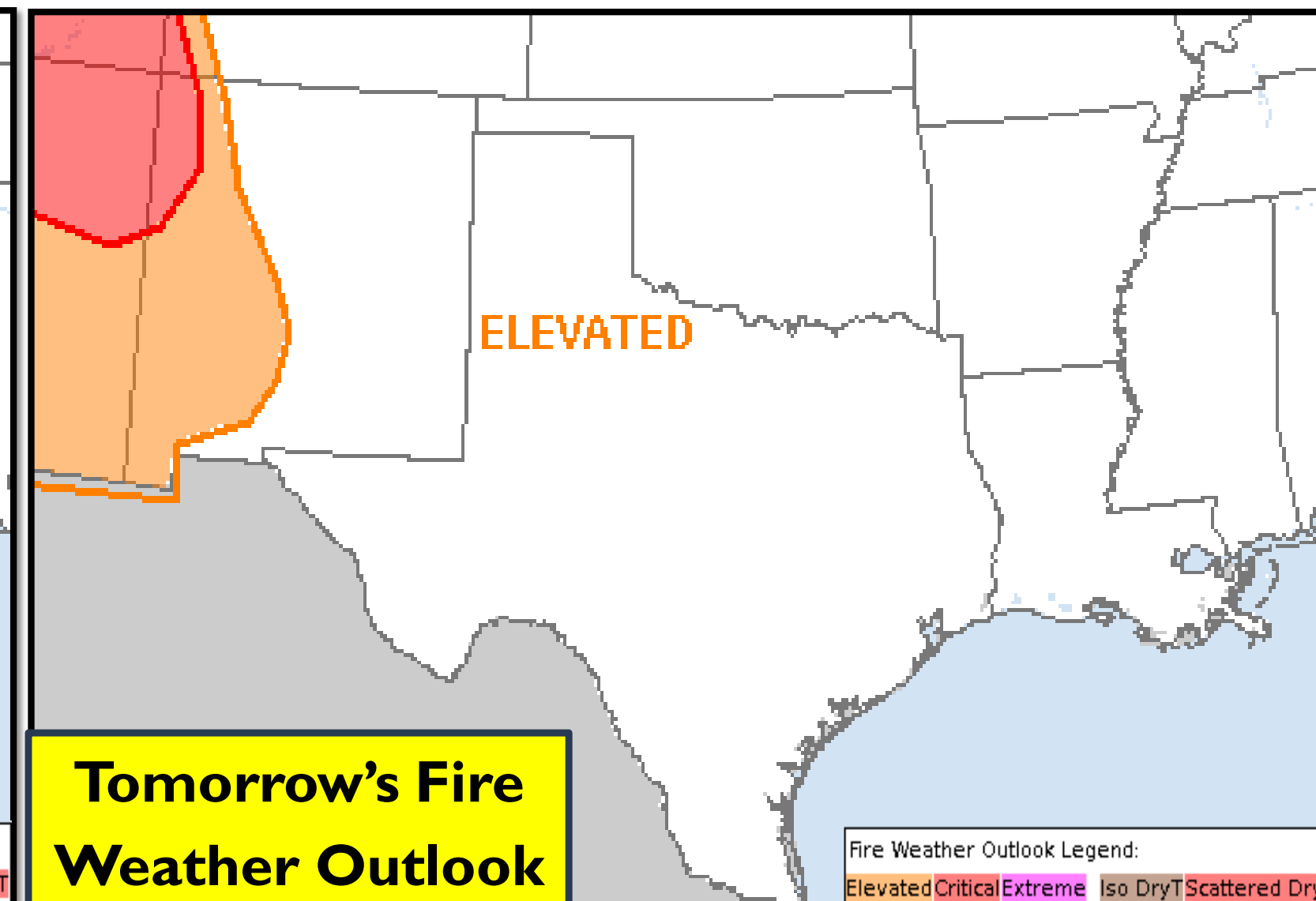
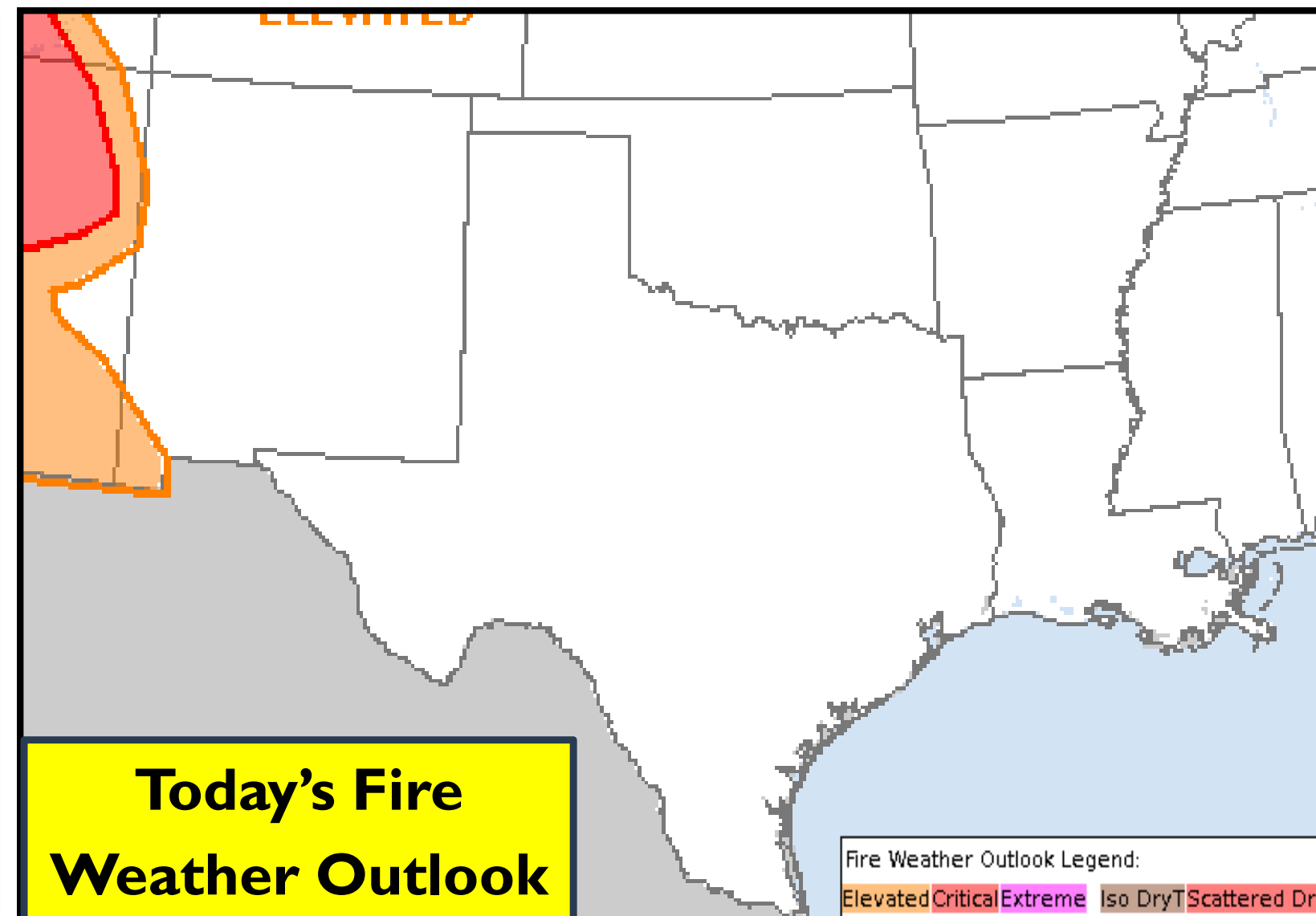
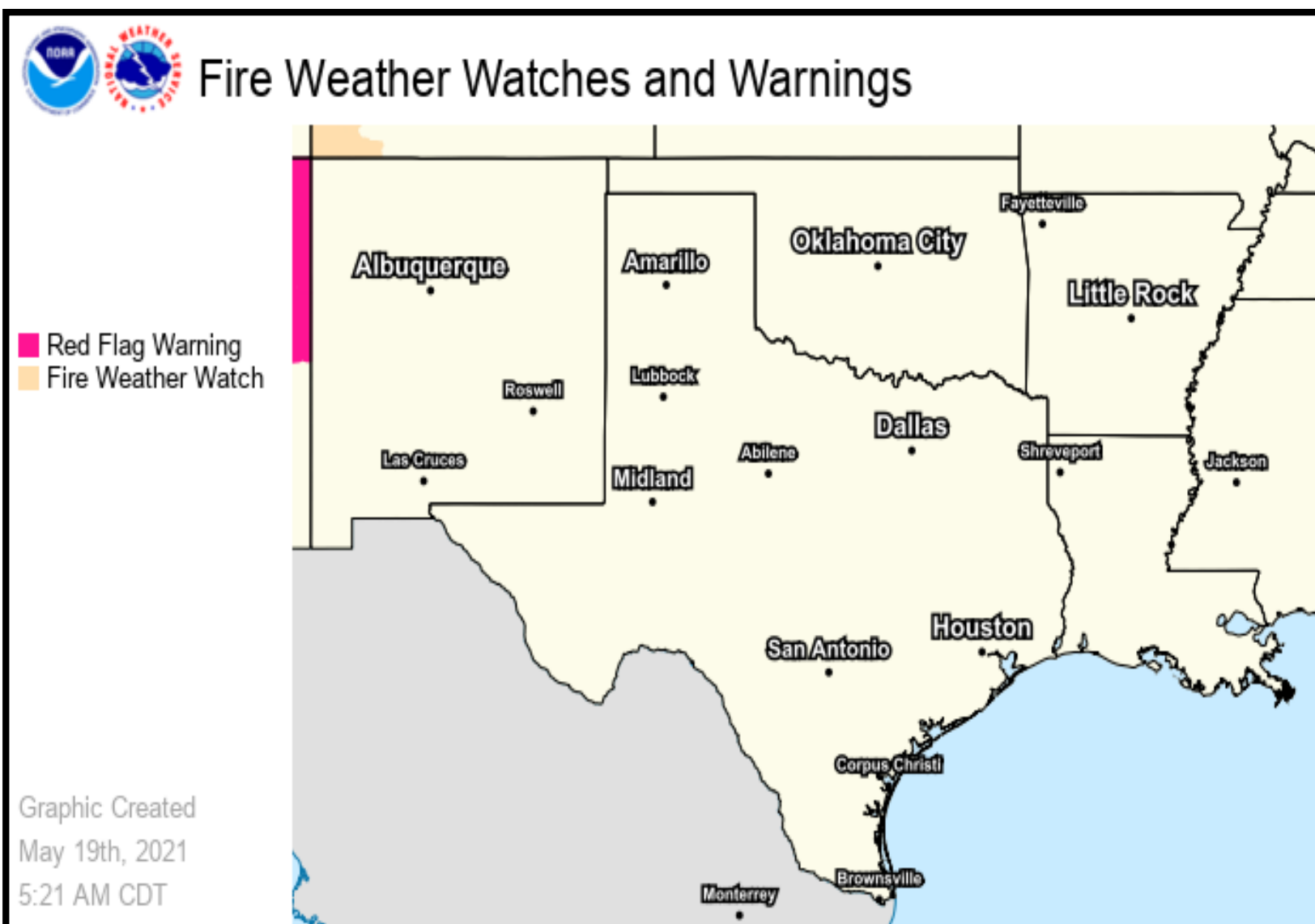
Excessive Rainfall Outlook



Fire Weather Outlooks



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5/19/2021 7:01 AM

Note: Days 3-5 only highlight Critical areas

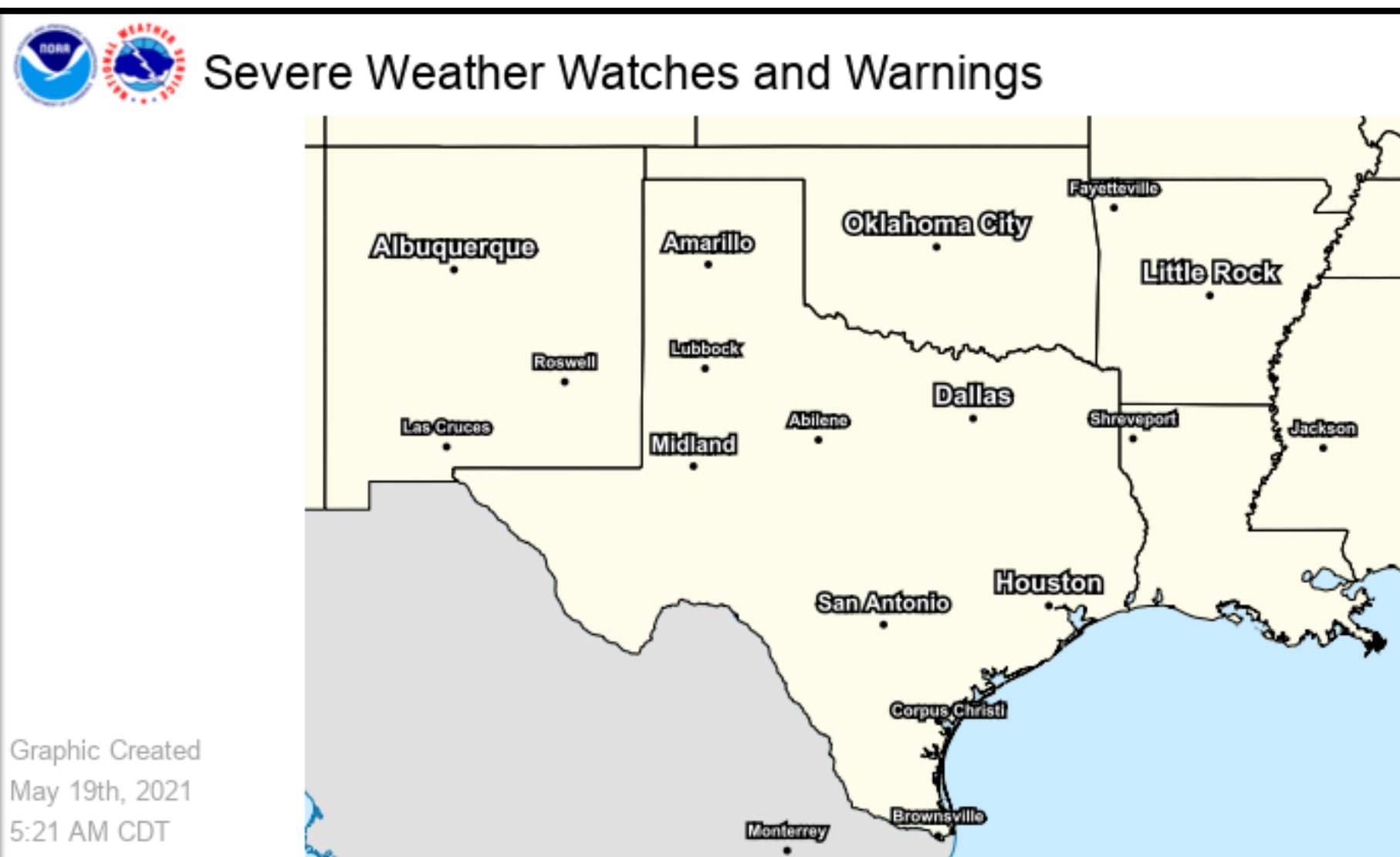
www.weather.gov/srh

Watches, Warnings, and Advisories

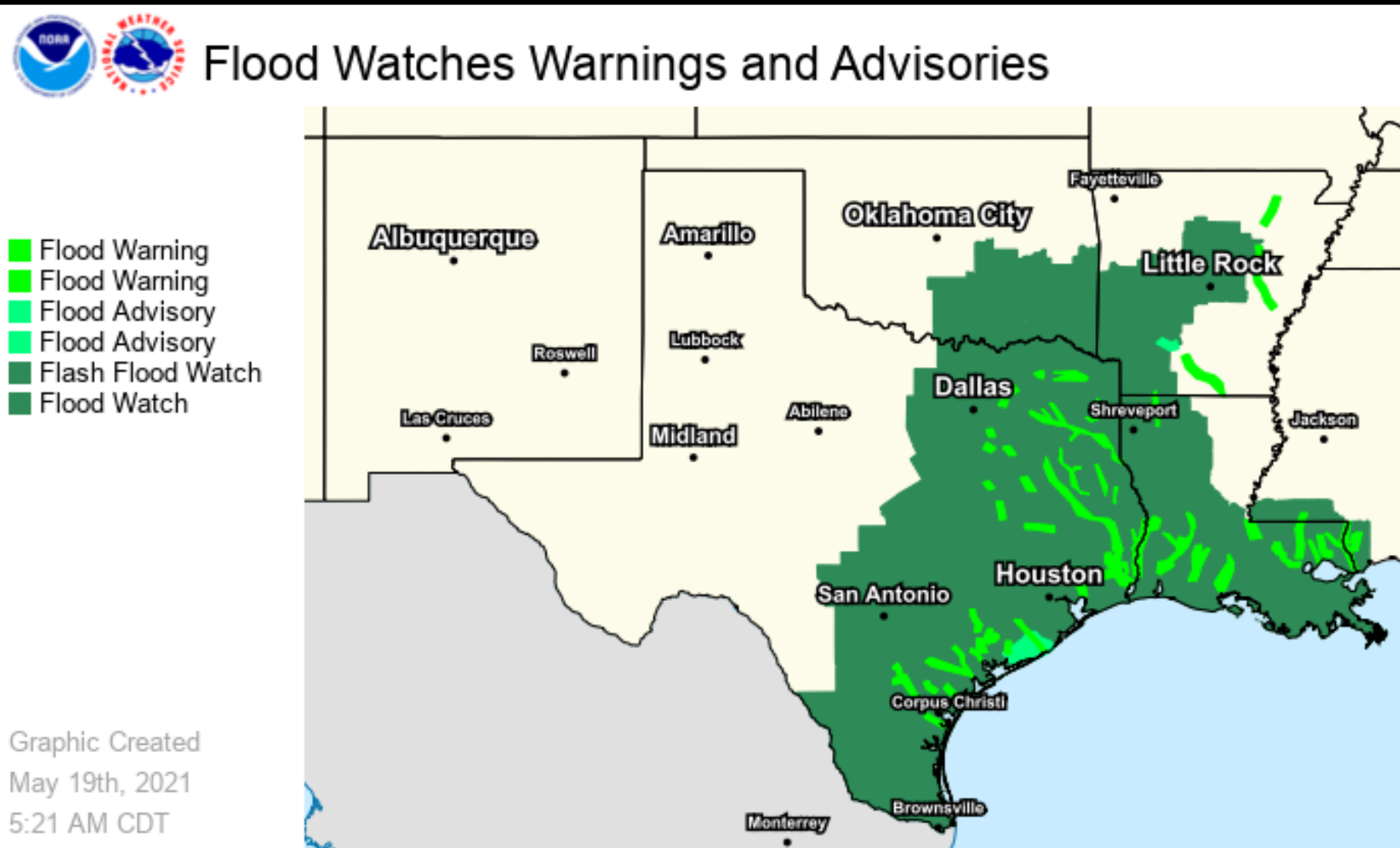
Wind, Severe, Winter, and Flood Hazards



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Flash flood watches continue across TX, AR, LA, and SE OK today into Thursday.

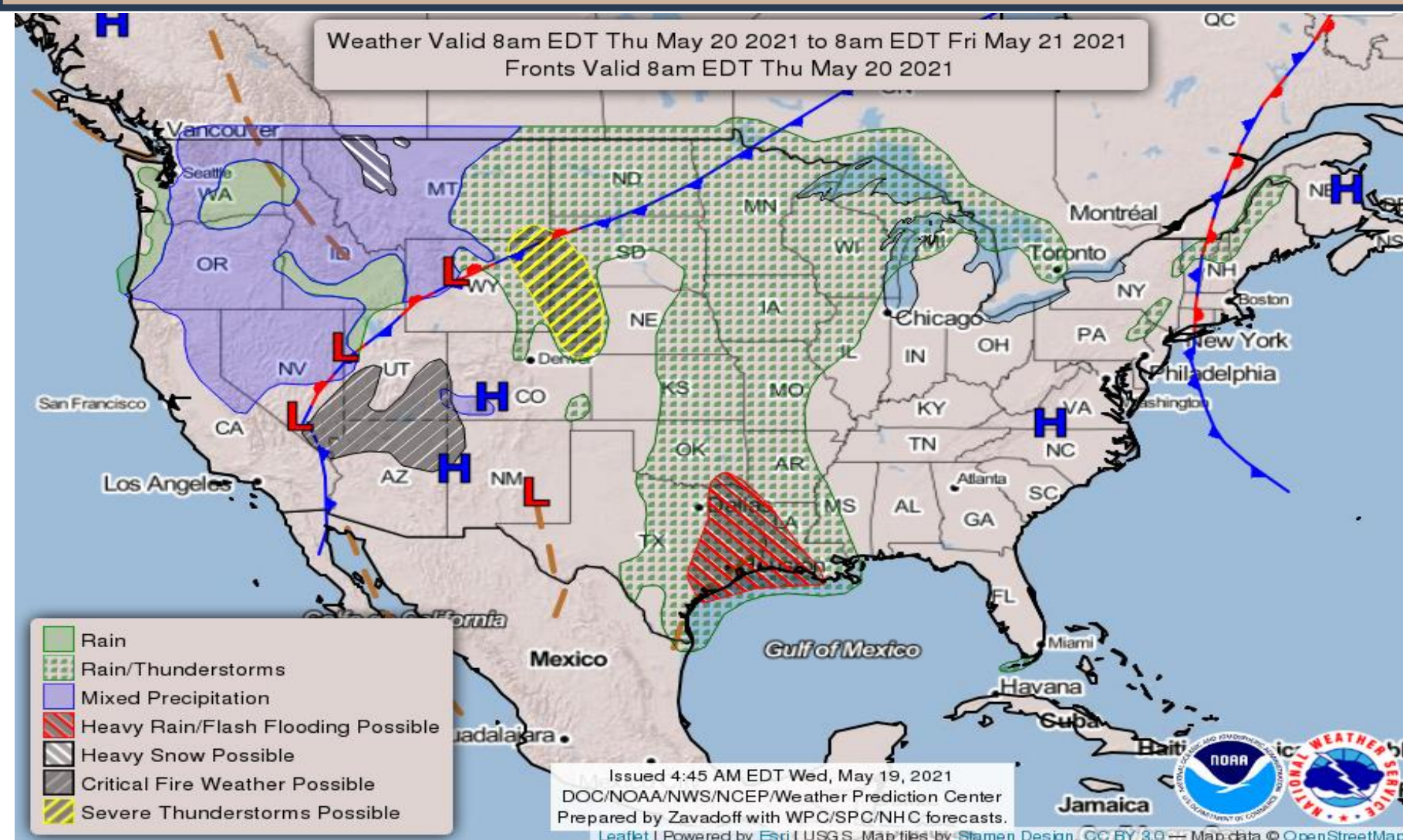


Tomorrow's Weather

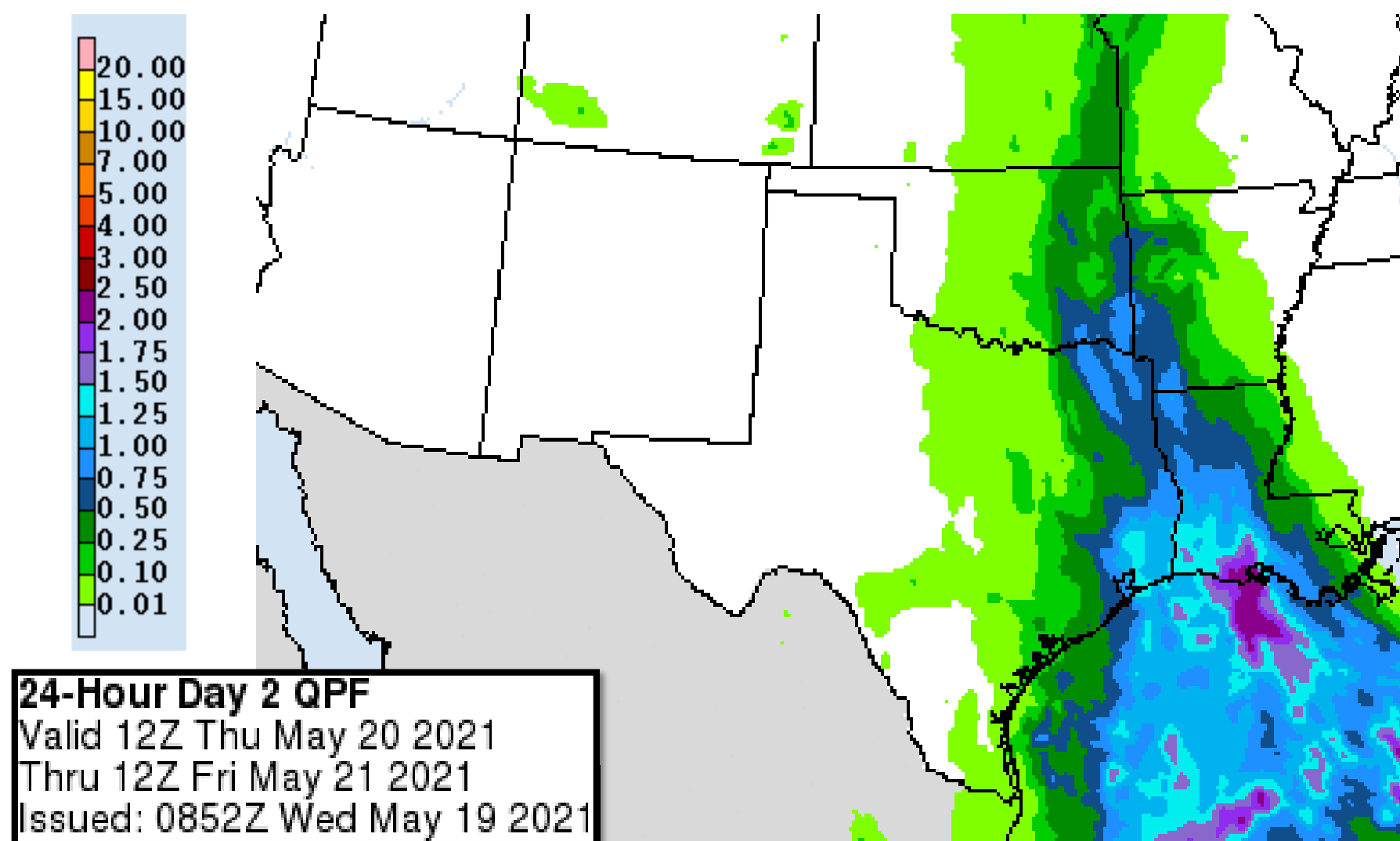


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Forecast Chart



Forecast Rainfall

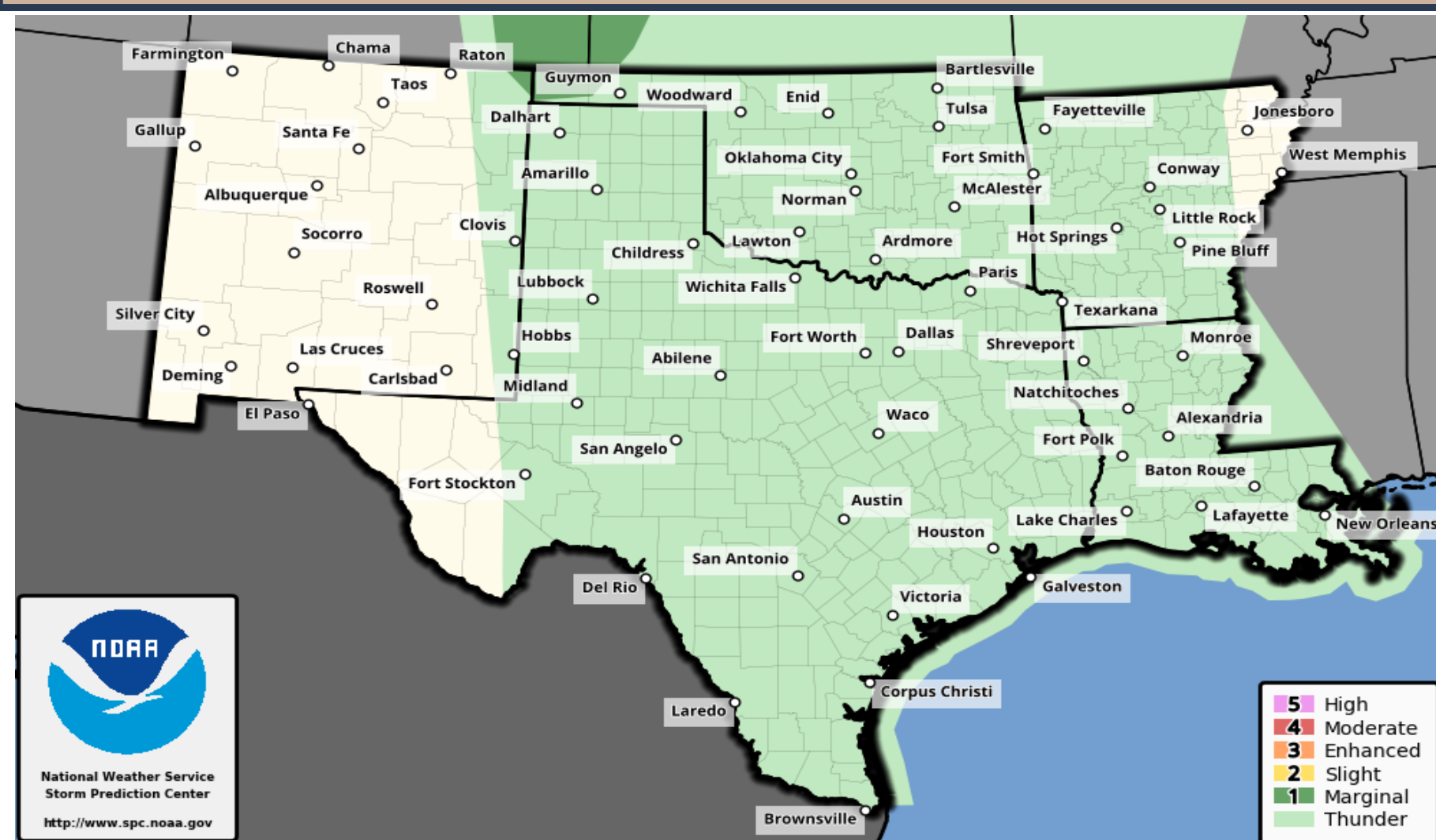


Heavy rainfall/flash flooding likely across SE TX/SW LA.

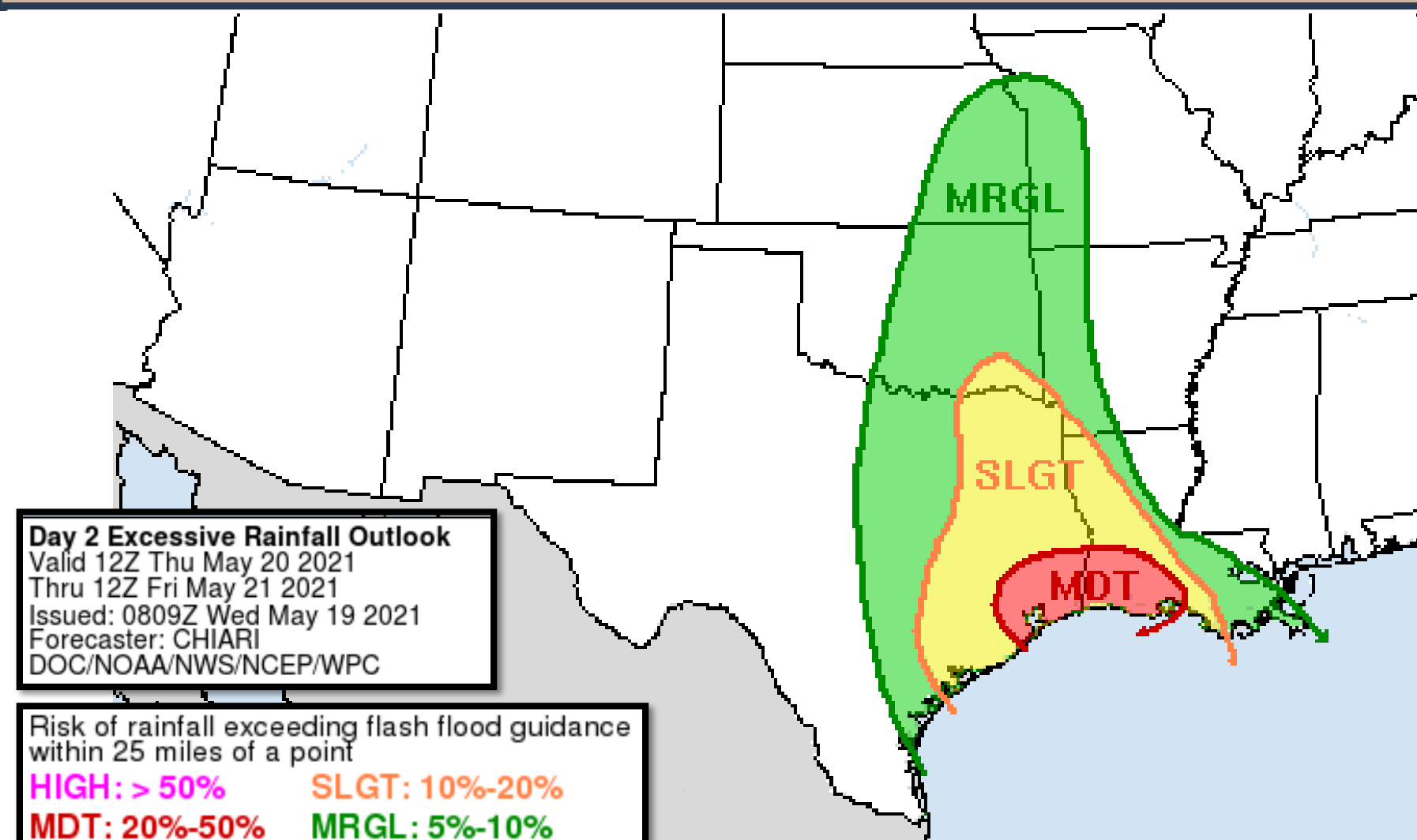
Isolated heavy rainfall/flooding possible across SE OK/E TX into W&S-Central LA.

Isolated strong to severe storms with gusty winds and hail possible across extreme NE NM & the OK Panhandle.

Severe Weather Outlook



Excessive Rainfall Outlook

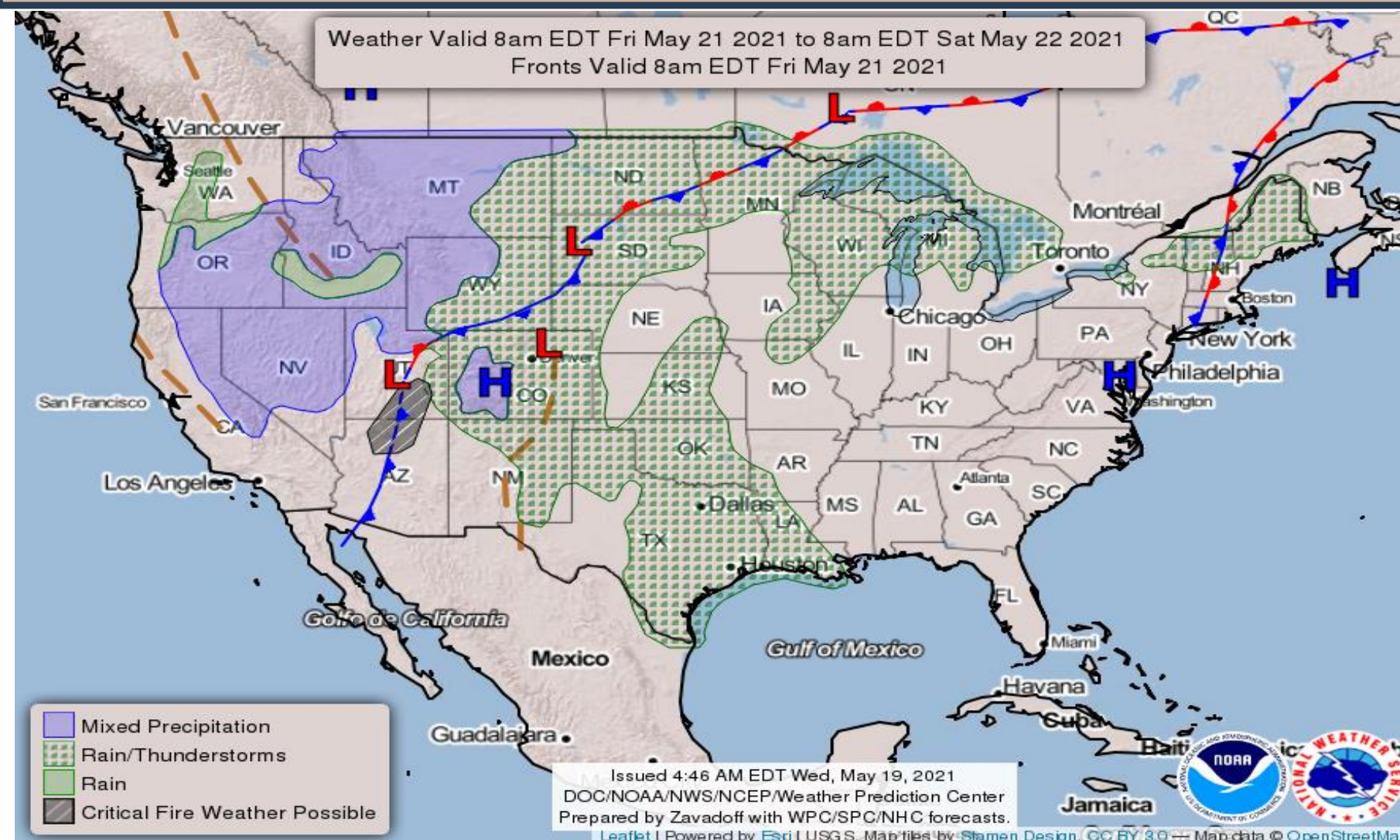


Friday's Weather

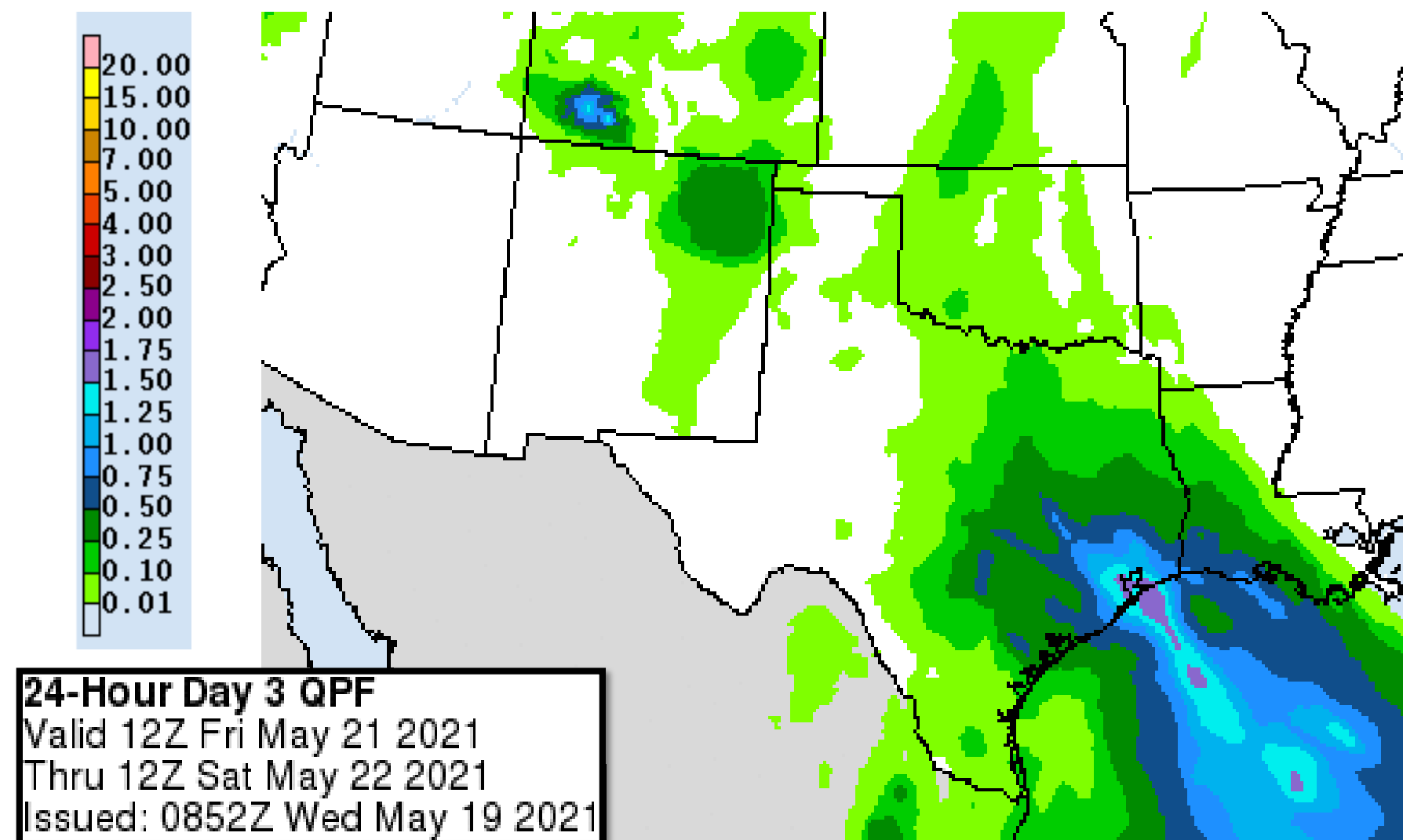


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Forecast Chart

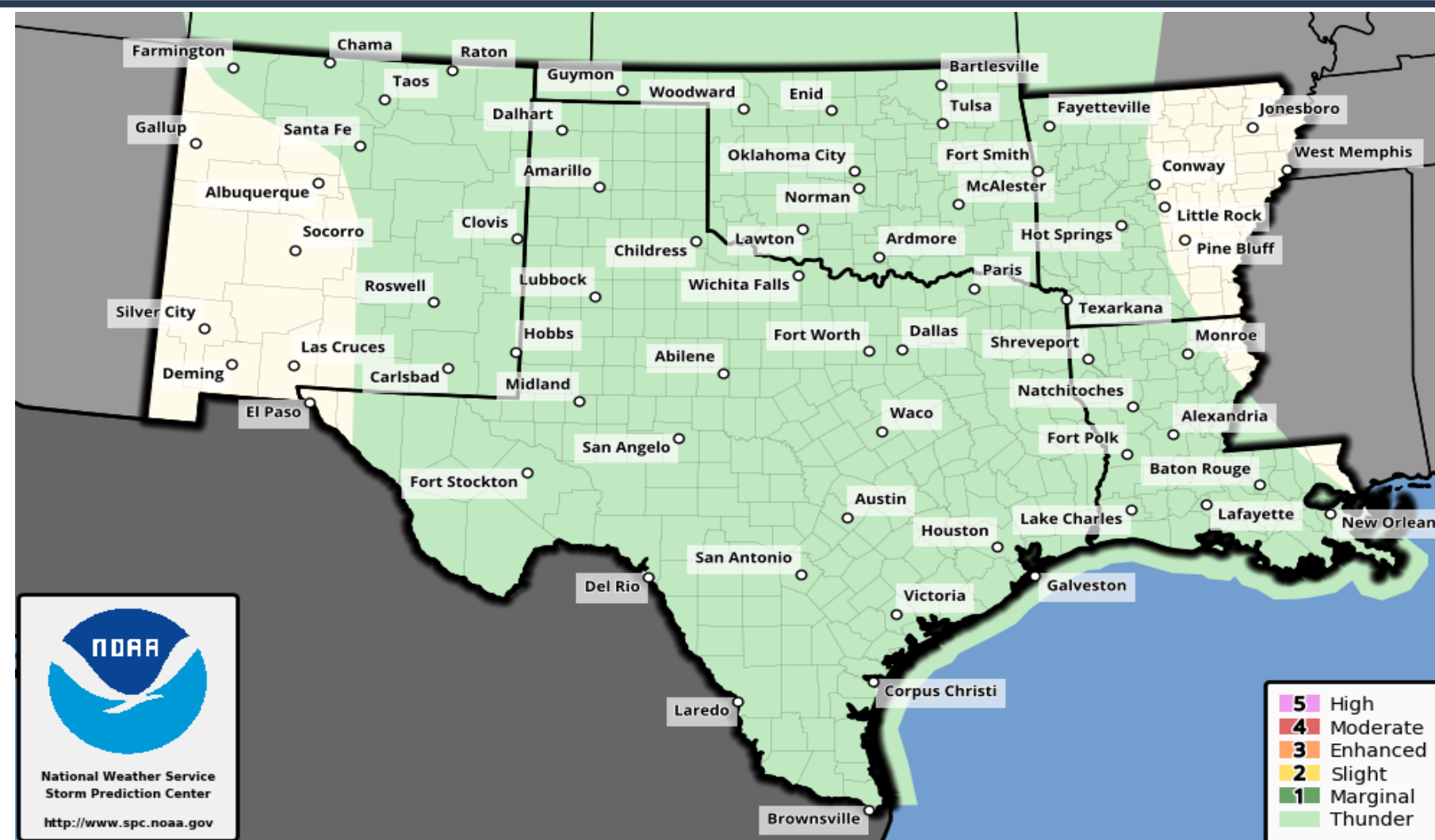


Forecast Rainfall

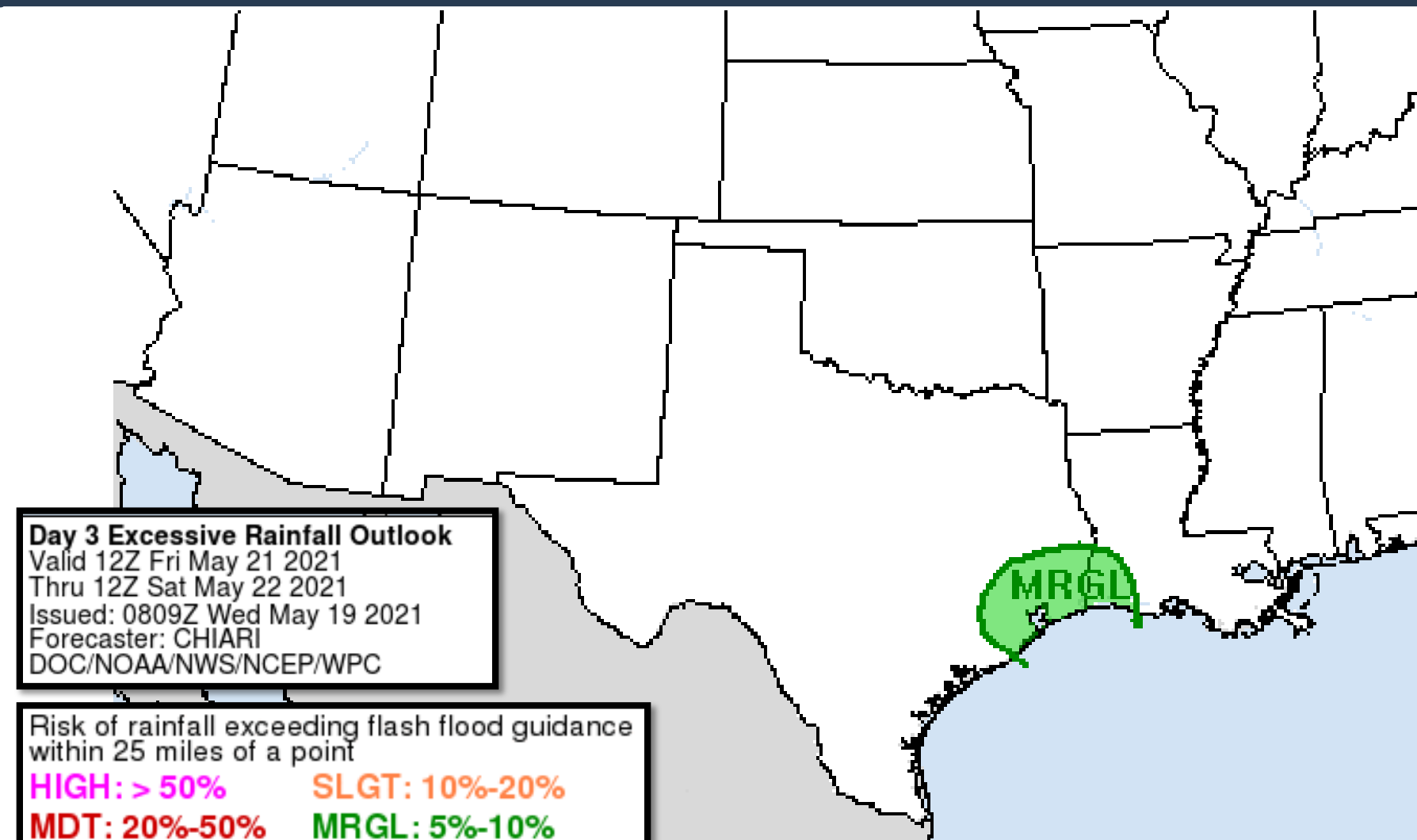


**Isolated heavy rain/flash
flooding possible for
SE TX/SW LA.**

Severe Weather Outlook



Excessive Rainfall Outlook

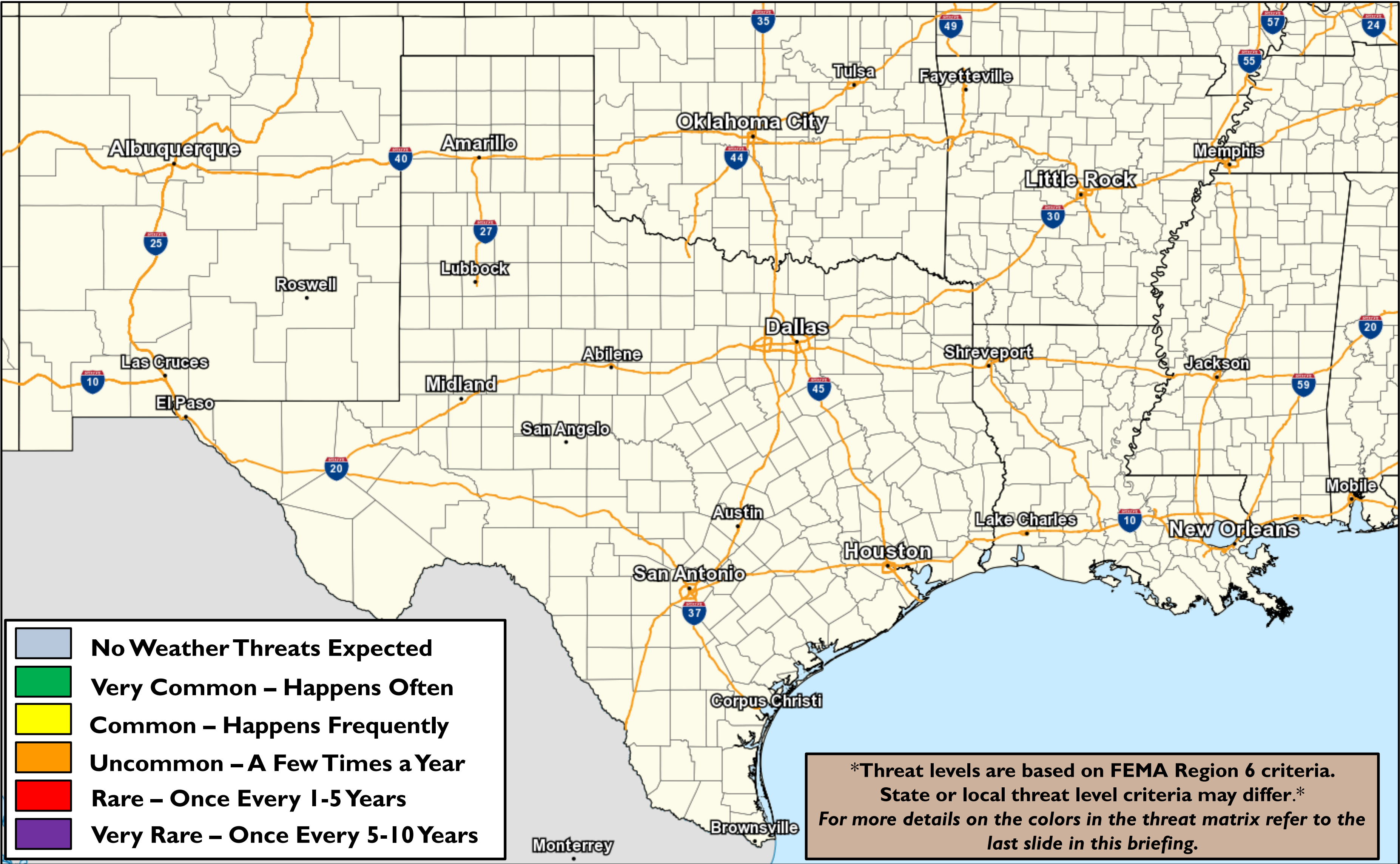


Days 4-5 Weather Hazards

Saturday - Sunday



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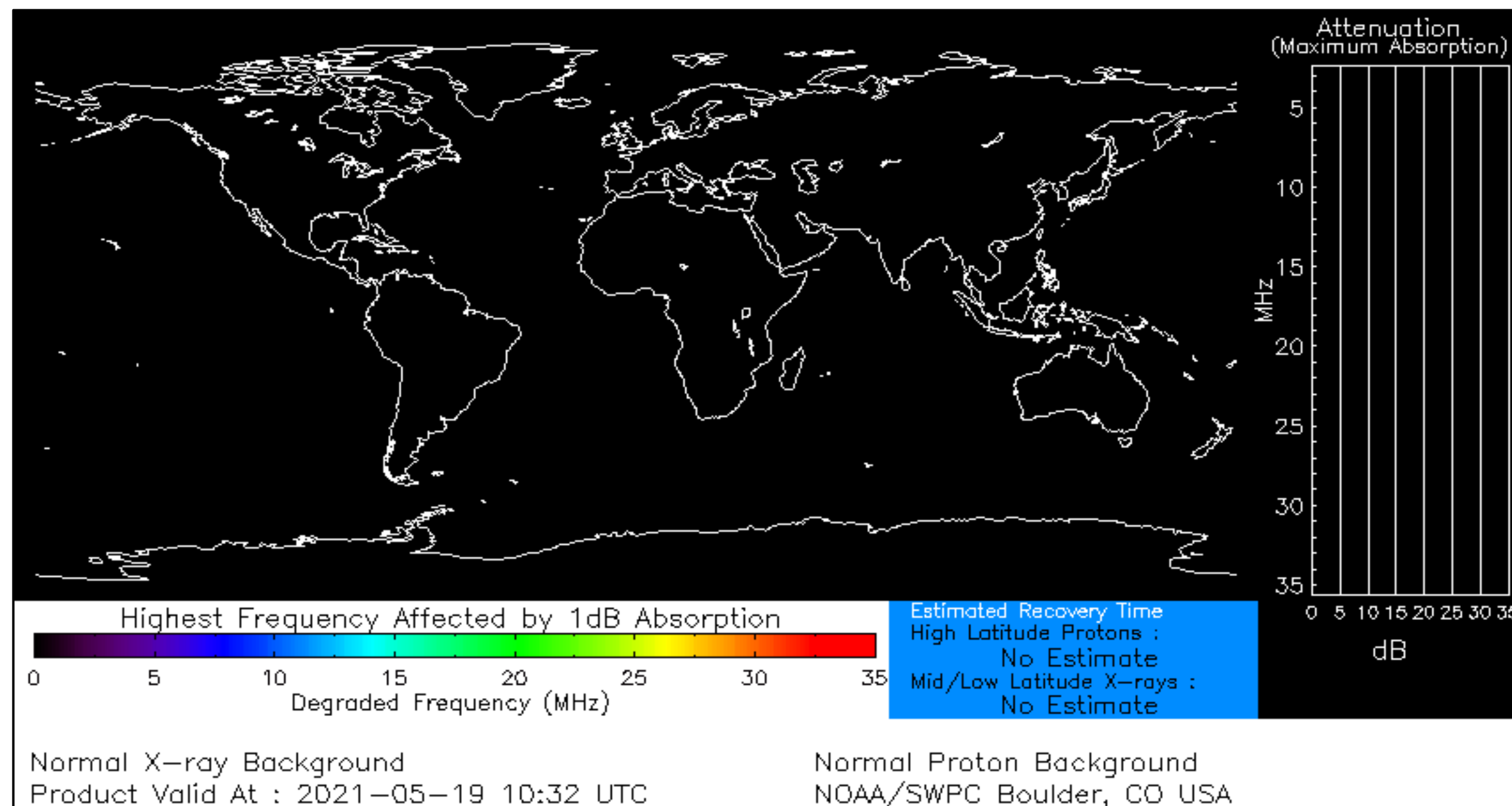
No significant weather impacts expected.

Space Weather 3-Day Forecast



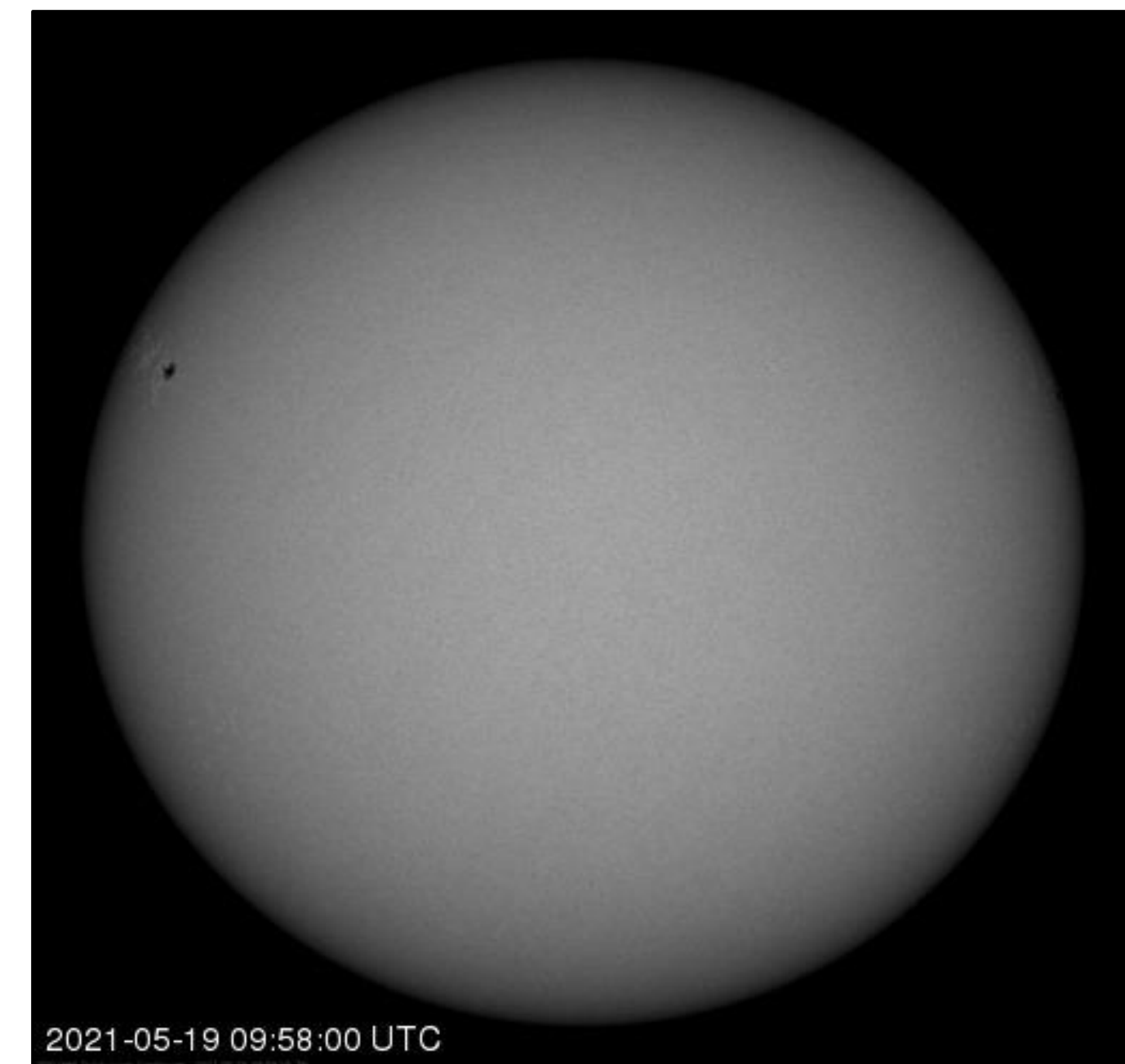
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	Wednesday	Thursday	Friday
Geomagnetic Storms	Active (Max Kp = 4)	Unsettled (Max Kp = 3)	Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a
Description of the Space
Weather Storm Scales](#)

[Click here for the Latest
3-Day Space Weather
Forecast Text](#)





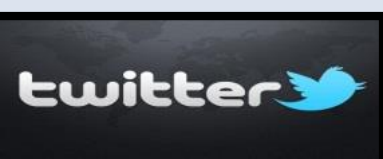
For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov